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SEED ANALYSES REPORT

FOR THE YEAR

1946

MILES HORST
Secretary of Agriculture

Commonwealth of Pennsylvania
Department of Agriculture
Harrisburg

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SEED ANALYSES REPORT -- 1946

THE VALUE OF SEED INSPECTION

Under the requirements of the Seed Act, an inspection is made to insure that the seeds offered for sale are properly tagged.

The statements on these tags are to inform the buyer of the crop producing value of the seed.

By selecting seeds of higher quality the farmer is enabled to grow better crops, and realize higher financial returns.

Seed inspection and analysis prevents the sale of seed containing an excessive amount of weed seeds, as well as seeds of noxious weeds.

The inspection and analysis service further aims to protect the honest dealer, who is interested in marketing high quality seeds from the dishonest dealer, who would prefer to sell seeds of low quality.

The State inspection and analytical service applies to only such dealers as reside within the State, and can offer no protection to the farmer who buys his seed from points outside of the Commonwealth.

VISITATIONS BY REPRESENTATIVES OF THE DEPARTMENT

It is the policy of the Department of Agriculture to have its agents visit each seed dealer at least once a year. If the seed is properly tagged at all times, the seedsmen will always be ready for the agent.

The sale of seed in a lot represented by the sample examined and found to be below the standards set up by law may be stopped, and penalties of the law imposed upon the seedsmen.

COOPERATION OF SEEDSMEN GRATIFYING

It is gratifying to be able to report that most of the wholesale and retail seedsmen are cooperating in carrying out the provisions of the Seed Law. The result is that the farmers are receiving a better grade of seed than ever before. There are still some farmers who are influenced by price instead of quality, and there are a few seedsmen who handle poor grades of seed.

During the year 1946, the Seed Laboratory examined 1,764 samples of seed. Included in this lot were samples collected by the seed agents, those received from seed dealers and farmers in the State, those representing a part of the seed certification activities of this Bureau, and some from other State agencies.

THE SEED LAW

The Pennsylvania Seed Law requires that all farm seeds sold, offered or exposed for sale in quantities of ten pounds or more, must be tagged. The tag must show the purity analyses and the percentage of germination with the date when the germination test was made. The seedsman may deliver the tag to the purchaser, or tag the bag or container in which the

seeds are exposed or offered for sale. It is the duty of the seedsman who displays or offers the seed for sale, to make sure that the tag is attached to the bag or container in a conspicuous place where the purchaser may see it.

Both the wholesaler and retailer within the State are responsible for meeting the requirements of the Pennsylvania Seed Law. The retailer should demand that the wholesaler tag the bag and furnish the required information regarding the seed. If the retailer suspects that the seed is not properly labeled, or is not of good quality, he should have it tested. This may be done by sending a sample to a commercial seed laboratory or, with a fee of twenty-five cents per sample, to the Bureau of Plant Industry, Department of Agriculture, Harrisburg, Pennsylvania.

REQUIREMENTS FOR LABELING SEED

It is a violation of the Pennsylvania Seed Law, to sell or offer for sale agricultural seeds, unless the tag bears in legible form the following information:

(A) UNMIXED SEED. Ten Pounds or More

(1) Common name of seed
(2) Percentage of pure seed
(3) Percentage of weed seed
(4) Name and number per ounce of the noxious weed seeds present
(5) Percentage of germination with date when test was made
(6) Name and address of vendor

(B) MIXED SEED. Ten Pounds or More

(1) That the seed is a mixture
(2) Name and percentage of each kind of agricultural seed present in excess of five per cent of total mixture
(3) Percentage of weed seed
(4) Name and number per ounce of each kind of noxious weed seed present in excess of one in each fifteen grams
(5) Percentage of germination of each kind of agricultural seed in excess of five per cent, with date of germination
(6) Name and address of vendor

(C) SPECIAL MIXTURES. Eight Ounces or More

(1) That such seed is a mixture
(2) Name of each kind of agricultural seed present in excess of five per cent of total mixture
(3) Percentage of weed seed
(4) Percentage of inert matter
(5) Name and number per ounce of each kind of noxious weed seed present, singly or collectively in excess of one in each fifteen grams
(6) Name and address of vendor

The Seed Law prohibits the sale of the following:

(A) Seed containing more than three per cent weed seeds
(B) Seed containing seeds of dodder or Canada thistle in excess of one in five grams of seed

PENALTY

A violation of the Pennsylvania Seed Law is a misdemeanor for which a maximum fine of two hundred dollars may be imposed.

REGULATIONS UNDER THE PENNSYLVANIA SEED ACT

RULES. - The rules of testing seeds, as adopted by the Association of Official Seed Analysts under date of July, 1944, or any later revisions, shall be followed in the taking of samples, analysis procedure and germination tests.

CONDITION OF SEEDS FOR TESTING. - Only unmixed, cleaned agricultural seeds, as defined in Section 1 of the Seed Act, will be tested.

AMOUNT TESTED. - A fair-size sample should be sent - about 1/8 pound of small seeds and 1/2 pound of seeds as large as, or larger than, wheat.

TRANSPORTATION OF SEEDS. - Samples sent by mail or express must be prepaid, and enclosed in strong containers addressed to the Seed Laboratory, Bureau of Plant Industry, Harrisburg, Pa.

NAMES OF SEED. - Eac' sample must bear the name of the seed and the name and address of the sender.

TYPE OF TEST. - A statement must accompany the sample telling what kind of test is desired, whether purity test, germination test, or both.

FEE. - A fee of twenty-five cents must accompany the sample. No test will be made until the fee is paid. Postage stamps will not be accepted.

STATEMENT. - A statement should be made whether the seeds tested are for sale or whether the test is for guidance in planting.

PROHIBITION. - (a) Seeds, the analysis of which is already known, should not be sent for test unless there is suspicion that the law is being violated, in which case a copy of the analysis given by the dealer should accompany the sample.

(b) The name of the Bureau of Plant Industry must in no way be used for advertising purposes. The test and analysis, however, may be used for labeling purposes.

(c) Not more than five samples will be tested in one month for any one person, firm or corporation.

(d) Samples to be tested should be sent to the Bureau at least 30 days before seeds are to be planted or sold.

TABLE I - WHOLESALERS FROM WHOM RETAILERS, LISTED IN TABLES II AND III, PURCHASED SEEDS IN 1946

WHOLESALER	ADDRESS	SAMPLES COLLECTED LEGAL	ILLEGAL	TOTAL
ACKERMAN CO., THE	Lima, Ohio	3	0	3
ALTMAN'S MILLS, THE	Irwin, Pa.	2	1	3
AMERICAN FIELD SEED CO.	Chicago, Ill.	1	0	1
ATLANTIC SEED CO.	Philadelphia, Pa.	7	0	7
BELT SEED CO., INC.	Baltimore, Md.	50	8	58
BLAMBERG BROS. SEED & FEED CO.	Salisbury, Md.	1	0	1
CONE, ARTHUR R.	Buffalo, N. Y.	12	0	12
CO-OP. G. L. F. MILLS, INC.	Buffalo, N. Y.	173	6	179
COURTEEN SEED CO.	Milwaukee, Wis.	1	0	1
CRAVER-DICKINSON SEED CO.	Buffalo 5, N. Y.	40	1	41
DICKINSON, ALBERT, CO.	Chicago 90, Ill.	29	2	31
DURYEA SEED CO.	New York, N. Y.	4	0	4
DYSON'S, H. P., SONS CO.	New Bloomfield, Pa.	1	0	1
EASTERN STATES FARMERS EXCHANGE	W. Springfield, Mass.	33	0	33
GENERAL MILLS, INC.	Minneapolis, Minn.	7	0	7
HIRSCH, HENRY & SONS, INC.	Toledo, Ohio	22	0	22
HOFFMAN, A. H., CO., INC.	Landisville, Pa.	5	0	5
HOUCK, E. J. & SON	Bangor, Pa.	29	0	29
HOYT SEED CO.	Fostoria, Ohio	5	0	5
LIVINGSTON SEED CO.	Columbus, Ohio	86	5	91
MASTER FEED & SEED CO.	Alliance, Ohio	14	0	14
MAYS SEED CO.	Weiser Park, Pa.	22	0	22
MIDWEST SEED CO.	Mt. Vernon, Ill.	1	0	1
MOCK SEED CO.	Pittsburgh 16, Pa.	9	0	9
MOTLEY SEED CO.	Hollis, Okla.	1	0	1
NORTHWESTERN SEED CO.	Keokuk, Iowa	2	0	2
O. & M. SEED CO.	Green Springs, Ohio	1	0	1
OLIGER, J. C., SEED CO.	Akron, Ohio	14	0	14
PAGE SEED CO.	Greene, N. Y.	2	0	2
PA. FARM BUREAU CO-OP. ASS'N., INC.	Harrisburg, Pa.	49	0	49
PEPPARD SEED CO.	Kansas City, Mo.	1	0	1
PHILADELPHIA SEED CO.	Philadelphia 5, Pa.	84	1	85
RICE GRAIN CO.	Metamora, Ohio	0	1	1
SCARLETT, W. G. & CO.	Baltimore 2, Md.	22	2	24
SCOTT, J. W. & CO.	Pittsburgh, Pa.	3	0	3
SCOTT, O. M. & SONS CO.	Marysville, Ohio	1	0	1
SEABOARD SEED CO.	Philadelphia 47, Pa.	84	4	88
SNYDER, H. F.	Churchville, N. Y.	1	0	1
STANFORD SEED CO.	Buffalo, N. Y.	64	2	66
STANFORD SEED CO.	Pittsburgh, Pa.	73	0	73
STEWART, JESSE, CO.,	Pittsburgh 19, Pa.	0	1	1
WERTHEIMER-McGUIN SEED CO.	Ligonier, Ind.	12	3	15
WHITNEY SEED CO.	Buffalo, N. Y.	15	0	15

TABLE II - SEED SAMPLES WHICH ARE BELOW STANDARD SET BY THE PENNSYLVANIA SEED LAW, GIVING WHOLESALER AND RETAILER OF THE SEEDS - 1946

Number and Name of Sample		Seedsmen		Pure Seed %	Crop Seeds %	Inert Matter %	Weed Seeds %	Germination %	Hard Seeds %	Nature of Violation
A460131 Oats	W.	Altman's Mill, Irwin, Pa.	G.	99.15	0.55	0.20	0.10	96.00	----- *	Tolerance exceeded
	R.	Altman's Cash Feed Store, Waynesburg, Pa.	F.	93.58	2.99	1.51	1.92	-----	-----	
A460361 Red clover	W.	Belt Seed Co., Baltimore, Md.	G.	99.00	0.30	0.20	0.50	70.00	20.00	Tolerance exceeded
	R.	Cocolamus Mill, Cocolamus, Pa.	F.	88.31	9.54	0.63	1.52	-----	-----	
A460152 Red clover	W.	Belt Seed Co., Baltimore, Md.	G.	99.00	0.30	0.20	0.50	70.00	20.00	Tolerance exceeded
	R.	William Ent, Light Street, Pa.	F.	97.46	1.43	0.24	0.87	-----	-----	
A460981 Timothy	W.	Belt Seed Co., Baltimore, Md.	G.	99.60	0.00	0.20	0.20	90.00	----- *	Tolerance exceeded
	R.	Lee Supply Co., Sharpsville, Pa.	F.	95.83	3.71	0.27	0.19	-----	-----	
A460471 Timothy	W.	Belt Seed Co., Baltimore, Md.	G.	99.60	0.00	0.20	0.20	90.00	-----	Excess noxious weed seeds
	R.	Liberty Trading Co., Madera, Pa.	F.	96.97	2.35	0.38	0.30	-----	-----	
A460283 Red clover	W.	Belt Seed Co., Baltimore, Md.	G.	99.00	0.30	0.20	0.50	70.00	20.00	Tolerance exceeded
	R.	I. B. Secrist, Millerstown, Pa.	F.	92.00	6.56	0.29	1.05	-----	-----	
A460132 Timothy	W.	Belt Seed Co., Baltimore, Md.	G.	99.60	0.10	0.20	0.10	90.00	----- *	Label incomplete
	R.	D. H. Sharrer & Son, New Oxford, Pa.	F.	99.31	0.20	0.37	0.12	-----	-----	
A460227 Red clover	W.	Belt Seed Co., Baltimore, Md.	G.	99.00	0.30	0.20	0.50	70.00	20.00	Tolerance exceeded
	R.	Geo. H. Stover, Centre Hall, Pa.	F.	88.98	9.04	0.58	1.40	-----	-----	
A460081 Red clover	W.	Belt Seed Co., Baltimore, Md.	G.	90.10	7.70	0.30	1.90	70.00	20.00	Tolerance exceeded
	R.	Wilson & Brossius, Toughkenamon, Pa.	F.	85.76	10.67	0.47	3.10	-----	-----	
A460487 Timothy	W.	Albert Dickinson Seed Co., Chicago, Ill.	G.	99.65	0.20	0.10	0.05	94.00	-----	Label incomplete
	R.	J. B. Cramer Hdwe., Homer City, Pa.	F.	(Sample not analyzed)						
A460593 Timothy	W.	Albert Dickinson Seed Co., Chicago, Ill.	G.	99.65	0.20	0.10	0.05	94.00	-----	Label incomplete
	R.	E. W. Williams, Elderton, Pa.	F.	(Sample not analyzed)						

TABLE II - SEED SAMPLES WHICH ARE BELOW STANDARD SET BY THE PENNSYLVANIA SEED LAW, GIVING WHOLESALER AND RETAILER OF THE SEEDS - 1946

Number and Name of Sample		Seedsmen		Pure Seed %	Crop Seeds %	Inert Matter %	Weed Seeds %	Germination %	Hard Seeds %.	Nature of Violation
A460642 Red clover	W.	Craver-Dickinson Seed Co., Buffalo, N. Y.	G.	99.27	0.43	0.06	0.24	90.00	-----	Excess noxious weed seeds
	R.	R. A. Bates & Son, Knoxville, Pa.	F.	(Sample not analyzed)						
A460549 Timothy	W.	G. L. F. Mills, Inc., Buffalo, N. Y.	G.	99.60	0.05	0.20	0.15	90.00	-----	Label incomplete
	R.	Clarks Summit Co--op. G.L.F. Service Exch. Clarks Summit, Pa.	F.	(Sample not analyzed)						
A460550 Timothy	W.	G. L. F. Mills, Inc., Buffalo, N. Y.	G.	99.60	0.05	0.20	0.15	90.00	-----	Label incomplete
	R.	W. S. Crock & Sons, Nicholson, Pa.	F.	(Sample not analyzed)						
A460160 Alfalfa	W.	G. L. F. Mills, Inc., Buffalo, N. Y.	G.	99.26	0.25	0.25	0.24	83.00	8.00	Label incomplete
	R.	H. C. Dildine, Benton, Pa.	F.	(Sample not analyzed)						
A460392 Timothy	W.	G. L. F. Mills, Inc., Buffalo, N. Y.	G.	99.60	0.05	0.20	0.15	90.00	-----	Label incomplete
	R.	P. W. Heath, Great Bend, Pa.	F.	(Sample not analyzed)						
A460407 Timothy	W.	G. L. F. Mills, Inc., Buffalo, N. Y.	G.	99.60	0.05	0.20	0.15	90.00	-----	Label incomplete
	R.	Ross Bros., Kingsley, Pa.	F.	(Sample not analyzed)						
A460849 Kentucky bluegrass	W.	G. L. F. Mills, Inc., Buffalo, N. Y.	G.	85.00	trace	14.80	0.20	85.00	-----	Tolerance exceeded
	R.	Skinners Eddy G.L.F. Service, Skinners Eddy, Pa.	F.	75.10	15.93	8.57	0.40	-----	-----	
A460349 Red clover, Alsike " & Timothy Mix.	W.	Livingston Seed Co., Columbus, Ohio	G.	R. cl. 41.86				75.00	11.00	Excess noxious weed seeds
				A. cl. 25.59	9.15	2.67	3.81	81.00	9.00	
				Tim. 16.92				83.00	-----	
	R.	John Browns Son, Ellwood City, Pa.	F.	R. cl. 50.20						
				A. cl. 19.69	6.19	2.58	4.14	-----	-----	
				Tim. 17.20						

TABLE II - SEED SAMPLES WHICH ARE BELOW STANDARD SET BY THE PENNSYLVANIA SEED LAW, GIVING WHOLESALER AND RETAILER OF THE SEEDS - 1946

Number and Name of Sample	Seedsmen		Pure Seed %	Crop Seeds %	Inert Matter %	Weed Seeds %	Germination %	Hard Seeds %	Nature of Violation
A460792 Red clover, Alsike " & Timothy Mix.	W. Livingston Seed Co., Columbus, Ohio R. J. H. Browns Son, New Castle, Pa.	G. R. cl. 41.86 A. cl. 25.59 Tim. 16.92 F. R. cl. 50.20 A. cl. 19.69 Tim. 17.20	9.15 6.19	2.67 2.58	3.81 4.14	75.00 81.00 83.00 -----	11.00 9.00 ----- -----	Excess noxious weed seeds
A461009 Red clover, Alsike " & Timothy Mix.	W. Livingston Seed Co., Columbus, Ohio R. John S. Browns Son, New Wilmington, Pa.	G. R. cl. 41.86 A. cl. 25.59 Tim. 16.92 F. R. cl. 50.20 A. cl. 19.69 Tim. 17.20	9.15 6.19	2.67 2.58	3.81 4.14	75.00 81.00 83.00 -----	11.00 9.00 ----- -----	Excess noxious weed seeds
A460325 Alsike cl.	W. Livingston Seed Co., Columbus, Ohio R. Erie-Crawford Dairy Co-op. Ass'n., Erie, Pa.	G. 94.35 F. 91.93	4.60 4.66	0.85 2.68	0.20 0.73	87.00 -----	4.00 ----	Tolerance exceeded
A460236 Red clover	W. Livingston Seed Co., Columbus, Ohio R. Miller Hdwe. Co., Rockwood, Pa.	G. 99.30 F. (Examined for noxious weed seeds)	0.06	0.14	0.50	74.00	17.00	Excess noxious weed seeds
A460024 Red clover	W. Philadelphia Seed Co., Philadelphia, Pa. R. Philadelphia Seed Co., Philadelphia, Pa.	G. 99.28 F. 98.79	0.22 0.94	0.28 0.11	0.22 0.16	82.00 -----	9.00 ----	Tolerance exceeded
A460216 Oats	W. Rice Grain Co., Metamora, Ohio R. Snyders Farm Supply Co., Williamsport, Pa.	G. 98.00 F. 98.89	1.10 0.61	0.82 0.36	0.08 0.14	90.00 -----	---- ----	*Label incomplete
A460176 Timothy & Alsike cl. Mixture	W. W. G. Scarlett & Co., Baltimore, Md. R. V. Y. Brandt, East Berlin, Pa.	G. Tim. 82.50 A. cl. 10.00 F. Tim. 87.23 A. cl. 2.89	4.00 9.35	1.50 0.53	2.00 ----	90.00 85.00 ----- -----	----- ----- ----- -----	Tolerance exceeded

TABLE II - SEED SAMPLES WHICH ARE BELOW STANDARD SET BY THE PENNSYLVANIA SEED LAW, GIVING WHOLESALER AND RETAILER OF THE SEEDS - 1946

Number and Name of Sample		Seedsmen			Pure Seed %	Crop Seeds %	Inert Matter %	Weed Seeds %	Germination %	Hard Seeds %	Nature of Violation
A460232 Timothy & Alsike cl. Mixture	W.	W. G. Scarlett & Co., Baltimore, Md.	G.	Tim.	82.50				90.00	-----	Tolerance exceeded
				A. cl.	10.00	4.00	1.50	2.00	85.00	-----	
	R.	V. Y. Brandt, East Berlin, Pa.	F.	Tim.	77.39				-----	-----	
				A. cl.	11.49	8.79	0.68	1.65	-----	-----	
A460112 Alfalfa	W.	Seaboard Seed Co., Philadelphia, Pa.	G.		99.26	0.08	0.42	0.24	79.00	11.00	Mislabeled, tolerance exceeded
	R.	S. S. Buckwalter, Spring City, Pa.	F.		85.69	13.16	0.83	0.32	-----	-----	
A460206 Alfalfa	W.	Seaboard Seed Co., Philadelphia, Pa.	G.		99.26	0.08	0.42	0.24	79.00	11.00	Mislabeled, tolerance exceeded
	R.	S. S. Buckwalter, Spring City, Pa.	F.		85.69	13.16	0.83	0.32	-----	-----	
A460114 Alfalfa	W.	Seaboard Seed Co., Philadelphia, Pa.	G.		99.38	0.03	0.46	0.13	60.00	33.00	Tolerance exceeded
	R.	Paoli Coal & Supply Co., West Chester, Pa.	F.		97.01	0.03	0.92	2.04	-----	-----	
A460507 Timothy	W.	Seaboard Seed Co., Philadelphia, Pa.	G.		99.60	0.10	0.25	0.05	-----	-----	Label incomplete
	R.	Sunshine Feed Store, Dillsburg, Pa.	F.		(Sample not analyzed)						
A460682 Red clover	W.	Stanford Seed Co., Buffalo, N. Y.	G.		97.25	1.50	0.75	0.50	80.00	10.00	Tolerance exceeded
	R.	Cochranton Co-op. Ass'n., Cochranton, Pa.	F.		95.13	2.53	0.47	1.87	-----	-----	
A460860 Bromegrass	W.	Stanford Seed Co., Buffalo, N. Y.	G.		96.49	0.32	3.03	0.16	90.00	-----	Tolerance exceeded
	R.	Gay Murray Co., Inc., Tunkhannock, Pa.	F.		95.73	2.44	1.83	-----	-----	-----	
A461030 Oats	W.	Jesse C. Stewart Co., Pittsburgh 19, Pa.	G.		(Analysis not given)						Mislabeled; analysis omitted
	R.	Arnold Feed Store, New Kensington, Pa.	F.		(Sample not analyzed)						
A460327 Red clover	W.	Wertheimer-McGuin Seed Co., Ligonier, Ind.	G.		99.70	----	0.10	0.20	80.00	14.00	Excess noxious weed seeds
	R.	Harrisville Milling Co., Harrisville, Pa.	F.		(Examined for noxious weed seeds)						

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Number and Name of Sample		Seedsmen		Pure Seed %	Crop Seeds %	Inert Matter %	Weed Seeds %	Germination %	Hard Seeds %	Nature of Violation
A460162 Red clover	W.	Wertheimer-McGuin Seed Co., Ligonier, Ind.	G.	99.52	0.08	0.12	0.28	84.00	7.00	Excess noxious weed seeds
	R.	H. L. Obert, Dushore, Pa.	F.	(Examined for noxious weed seeds)						
A460164 Alsike cl.	W.	Wertheimer-McGuin Seed Co., Ligonier, Ind.	G.	94.70	4.40	0.80	0.10	80.00	10.00	Mislabeled, a mixture
	R.	H. L. Obert, Dushore, Pa.	F.	91.43	7.61	0.89	0.07	-----	-----	
A460038 Red clover	R.	J. Frank Hershberger, Everett, Pa.	G.	(Analysis not given)						Analysis omitted
			F.	87.16	0.10	10.37	2.37	88.50	3.50	
A460109 Red clover	R.	Elmer C. Ross, Lemont, Pa.	G.	(Analysis not given)						Analysis omitted
			F.	98.91	0.25	0.18	0.66	-----	----	

W. Wholesaler
R. Retailer

G. Seedman's analysis given on tag
F. Analysis as determined in Penna. Laboratory

* Noxious weed seeds omitted

TABLE III - RETAILERS OF FARM SEEDS, FROM WHOM SAMPLES WERE COLLECTED IN THE ENFORCEMENT OF THE PENNSYLVANIA SEED LAW, 1946

RETAILER	ADDRESS	SAMPLES COLLECTED LEGAL	ILLEGAL	TOTAL
ACE, JAMES	Lemon, Pa.	12	0	12
ADAMS CO. FARM BUREAU CO-OP. ASS'N.	Gettysburg, Pa.	2	0	2
ALTEMOSE, R. W.	Brodheadsville, Pa.	3	0	3
ALTMAN'S CASH FEED STORE	Altoona, Pa.	1	0	1
ALTMAN'S CASH FEED STORE	Bedford, Pa.	2	0	2
ALTMAN'S CASH FEED STORE	Bloomsburg, Pa.	3	0	3
ALTMAN'S CASH FEED STORE	Butler, Pa.	2	0	2
ALTMAN'S CASH FEED STORE	Charleroi, Pa.	1	0	1
ALTMAN'S CASH FEED STORE	Everett, Pa.	1	0	1
ALTMAN'S CASH FEED STORE	Export, Pa.	1	0	1
ALTMAN'S CASH FEED STORE	Irwin, Pa.	1	0	1
ALTMAN'S CASH FEED STORE	Johnstown, Pa.	1	0	1
ALTMAN'S CASH FEED STORE	Kittanning, Pa.	3	0	3
ALTMAN'S CASH FEED STORE	Latrobe, Pa.	1	0	1
ALTMAN'S CASH FEED STORE	Mars, Pa.	1	0	1
ALTMAN'S CASH FEED STORE	Muncy, Pa.	3	0	3
ALTMAN'S CASH FEED STORE	New Brighton, Pa.	3	0	3
ALTMAN'S CASH FEED STORE	Pittsburgh, Pa.	2	0	2
ALTMAN'S CASH FEED STORE	Saltsburg, Pa.	1	0	1
ALTMAN'S CASH FEED STORE	Waynesburg, Pa.	0	1	1
ANDERSON'S, J. B., SONS	Shickshinny, Pa.	3	0	3
ANDRE & SON	Montrose, Pa.	1	0	1
ANDREWS, H. O. & SONS	McVeytown, Pa.	3	0	3
ARMSTRONG FARM BUREAU CO-OP. ASS'N.	Kittanning, Pa.	3	0	3
ARNOLD FEED STORE	New Kensington, Pa.	0	1	1
ATEN BROS.	Factoryville, Pa.	2	0	2
ATHENS CO-OP. G. L. F. SERVICE	Athens, Pa.	1	0	1
ATHENS FEED CO.	Athens, Pa.	4	0	4
ATLANTIC SEED CO.	Philadelphia, Pa.	3	0	3
AYER, H. O.	Ulster, Pa.	1	0	1
BAKER FEED STORE	Martinsburg, Pa.	1	0	1
BAKER, THORPE & CO.	Carbondale, Pa.	2	0	2
BALSHI, A. J.	Catawissa, Pa.	4	0	4
BARE MILLING CO.	Roaring Springs, Pa.	1	0	1
BARTO, J. W., SONS	Pine Grove, Pa.	1	0	1
BATES, R. A. & SON	Knoxville, Pa.	1	1	2
BATTY, J. M.	Eau Claire, Pa.	3	0	3
BEAR LAKE CO-OP. G.L.F. SERVICE	Bear Lake, Pa.	1	0	1
BELL, C. D. & SON	Hop Bottom, Pa.	2	0	2
BELL, W. S.	West Middlesex, Pa.	2	0	2
BENCE, JOHN A.	Marion Center, Pa.	1	0	1
BENSCOTER, WILLARD	Hunlock Creek, Pa. R. D. #1	1	0	1
BERKS CO. CO-OP. ASS'N.	Temple, Pa.	5	0	5
BERLIN FEED CO.	Berlin, Pa.	2	0	2
BEST FEEDS & FARM SUPPLIES, INC.	Washington, Pa.	2	0	2
BIGLERVILLE WHOLESALE CO.	Biglerville, Pa.	2	0	2
BILLINGS, GUY	Springville, Pa.	2	0	2
BIXLER, J. P. & SONS	Carlisle, Pa.	2	0	2
BLAKE HDWE. CO.	Brookville, Pa.	3	0	3
BORCHERT, W. E.	Eau Claire, Pa.	4	0	4
BRADFORD & CO.	Centre Hall, Pa.	2	0	2
BRANDT, V. Y.	East Berlin, Pa.	2	2	4
BRENNEMAN, ARTHUR, HDWE.	Harrisville, Pa.	1	0	1

TABLE III - RETAILERS OF FARM SEEDS, FROM WHOM SAMPLES WERE COLLECTED IN THE ENFORCEMENT OF THE PENNSYLVANIA SEED LAW, 1946

RETAILER	ADDRESS	SAMPLES COLLECTED LEGAL	ILLEGAL	TOTAL
BROOKS, W. J. & SON	Lake Ariel, Pa.	1	0	1
BROOKVILLE HDWE. CO.	Brookville, Pa.	1	0	1
BROWN'S, JOHN, SON	Ellwood City, Pa.	1	1	2
BROWN'S, JOHN H., SON	New Castle, Pa.	2	1	3
BROWN'S, JOHN S., SON	New Wilmington, Pa.	3	1	4
BUCKWALTER, S. S.	E. Bridge St. Spring City, Pa.	1	2	3
BURCHFIELD, W. M.	Martinsburg, Pa.	1	0	1
BURGER, CARL O.	Waterford, Pa.	1	0	1
BURNHAM FEED CO.	Tyrone, Pa.	1	0	1
BUTLER FARM BUREAU CO-OP. ASS'N.	Butler, Pa.	4	0	4
BUTLER FARM BUREAU CO-OP. ASS'N.	Portersville, Pa.	5	0	5
BUXTONS HDWE.	Valencia, Pa.	3	0	3
CAMBRA STORE CO. NO. 1	Cambra, Pa.	3	0	3
CAMBRA STORE CO. NO. 2	Benton, Pa., R.D.#1	1	0	1
CAMPSEY, D. M.	Claysville, Pa.	1	0	1
CANFIELD, JAS.	Bartonsville, Pa.	3	0	3
CANFIELD, J. W. & SON	Stroudsburg, Pa.	6	0	6
CANTON CO-OP. G. L. F. SERVICE	Canton, Pa.	7	0	7
CARBONDALE CO-OP. G. L. F. SERVICE	Carbondale, Pa.	5	0	5
CARLSON, G. L.	Turtlepoint, Pa.	1	0	1
CARMICHAELS MILLING CO.	Carmichaels, Pa.	1	0	1
CARTWRIGHT HDWE. CO.	Aliquippa, Pa.	2	0	2
CASH FEED & SUPPLY CO.	Huntingdon, Pa.	1	0	1
CASSEL, F. P. & SON	Lansdale, Pa.	5	0	5
CHAMBERS, E. R.	Elkview, Pa.	1	0	1
CHECKERBOARD FEED CO.	Coudersport, Pa.	2	0	2
CLARION CO. FARM BUREAU CO-OP. ASS'N.	Clarion, Pa.	5	0	5
CLARION CO. FARM BUREAU CO-OP. ASS'N.	Knox, Pa.	5	0	5
CLARK FEED STORE	Indiana, Pa.	1	0	1
CLARKS HDWE.	Elderton, Pa.	1	0	1
CLARKS SUMMIT CO-OP. G. L. F. SERVICE	Clarks Summit, Pa.	4	1	5
CLEVELAND, STUART	Covington, Pa.	2	0	2
CLOSE & TREAT	Tioga, Pa.	2	0	2
CLYMER HDWE. CO.	Clymer, Pa.	1	0	1
COCHRAN & ALLEN	Carlisle, Pa.	2	0	2
COCHRANTON CO-OP. ASS'N.	Cochranton, Pa.	0	1	1
COCOLAMUS MILL	Cocolamus, Pa.	1	1	2
COLLEGEVILLE MILLS	Collegeville, Pa.	3	0	3
CONIGY, DON	Ebensburg, Pa.	1	0	1
CRAMER, J. B., HDWE.	Homer City, Pa.	1	1	2
CRESSON FLOUR & FEED CO.	Cresson, Pa.	2	0	2
CROCK, W. S. & SON	Nicholson, Pa.	4	1	5
CUMBERLAND FARM BUREAU	Carlisle, Pa.	2	0	2
CUMBERLAND VALLEY CO-OP. ASS'N.	Shippensburg, Pa.	2	0	2
CURRY SUPPLY CO.	Curryville, Pa.	1	0	1
DAVIDSVILLE FLOUR & FEED CO.	Davidsville, Pa.	3	0	3
DAYTON MILLING CO.	Towanda, Pa.	11	0	11
DEITZ-MOONEY	Clarion, Pa.	7	0	7
DETRICH, GEO. M.	Williamson, Pa.	2	0	2
DEVONS MILLING CO.	Dallas, Pa.	7	0	7
DIAMOND MILLING CO.	Ellwood City, Pa.	4	0	4

TABLE III - RETAILERS OF FARM SEEDS, FROM WHOM SAMPLES WERE COLLECTED IN THE ENFORCEMENT OF THE PENNSYLVANIA SEED LAW, 1946

RETAILER	ADDRESS	SAMPLES COLLECTED LEGAL	ILLEGAL	TOTAL
DIAMOND MILLING CO.	New Brighton, Pa.	5	0	5
DICKINSON, ALBERT, CO.	Pittsburgh, Pa.	9	0	9
DIEFENDERFER, FRED & SON	Sharpsville, Pa.	2	0	2
DILDINE, H. C.	Benton, Pa.	1	1	2
DILLSBURG GRAIN & MILLING CO.	Dillsburg, Pa.	1	0	1
DRAKE, F. A. & SON	Cambridge Springs,Pa.	1	0	1
DuBOIS MILLING CO.	DuBois, Pa.	1	0	1
DUMM, E. F.	Spangler, Pa.	1	0	1
DUNHAM, R. J., STORE	Wellsboro, Pa.	2	0	2
DYSON, H. P. & SON	Newville, Pa.	2	0	2
DYSON'S, H. P., SONS CO.	New Bloomfield, Pa.	3	0	3
EASTERN STATES FARMERS EXCHANGE	Annville, Pa.	6	0	6
EASTERN STATES FARMERS EXCHANGE	Butler, Pa.	6	0	6
EASTERN STATES FARMERS EXCHANGE	Carlisle, Pa.	3	0	3
EASTERN STATES FARMERS EXCHANGE	Collegeville, Pa.	3	0	3
EASTERN STATES FARMERS EXCHANGE	Indiana, Pa.	2	0	2
EASTERN STATES FARMERS EXCHANGE	Mifflin, Pa.	2	0	2
EASTERN STATES FARMERS EXCHANGE	New Castle, Pa.	4	0	4
EASTERN STATES FARMERS EXCHANGE	Punxsutawney, Pa.	3	0	3
EASTERN STATES FARMERS EXCHANGE	Somerset, Pa.	2	0	2
EAST FAYETTEVILLE ELEV. CO.	Fayetteville, Pa.	1	0	1
EDINBORO CO-OP. G.L.F. SERVICE	Edinboro, Pa.	2	0	2
EDINGER, PAUL M.	Luthersburg, Pa.	1	0	1
EDWARDS HDWE. CO.	Ebensburg, Pa.	1	0	1
EMPIRE WHOLESALE CO.	Olyphant, Pa.	2	0	2
ENT, WILLIAM	Light Street, Pa.	1	1	2
ERHARDT, R. C.	Clarks Summit, Pa.	3	0	3
ERIE-CRAWFORD DAIRY CO-OP.ASS'N.	Erie, Pa.	3	1	4
ESHELMAN, J. I. & SON	St. Thomas, Pa.	1	0	1
ESSENWINE, PAUL F.	W. Burlington, Troy, Pa., R. D.	1	0	1
EVERETT HDWE. CO.	Everett, Pa.	1	0	1
EYERS GROVE MILLS	Eyers Grove, Pa.	2	0	2
FACTORYVILLE MILLING CO.	Factoryville, Pa.	3	0	3
FARM BUREAU CO-OP. ASS'N.	Meyersdale, Pa.	1	0	1
FARM BUREAU CO-OP. ASS'N.	Souderton, Pa.	1	0	1
FARM BUREAU CO-OP. ASS'N.	West Chester, Pa.	6	0	6
FARM SERVICE CO.	Oil City, Pa.	2	0	2
FARMERS & CONSUMERS COMMERCIAL UNION	Troy, Pa.	7	0	7
FARMERS CO-OP. ASS'N.	Wysox, Pa.	5	0	5
FARMERS EXCHANGE	Conneautville, Pa.	1	0	1
FARMERS SUPPLY CO.	Blairsville, Pa.	2	0	2
FARMERS SUPPLY CO.	Espy, Pa.	1	0	1
FARMERS SUPPLY CO.	New Castle, Pa.	3	0	3
FEEDERS SUPPLY CO.	Aliquippa, Pa.	1	0	1
FELTY, RUSSELL	Pine Grove, Pa.	2	0	2
FIGLEY FARM SUPPLY CO.	Aliquippa, Pa.	3	0	3
FRANKLIN FEED & SUPPLY	Franklin, Pa.	2	0	2
FREYERMUTH MILLS	Franklin, Pa.	1	0	1
FREYERMUTH MILLS	Sandy Lake, Pa.	4	0	4
FRUIT GROWERS EXCHANGE	West Chester, Pa.	1	0	1
FUDGE, JOHN C.	Sharpsburg, Pa.	6	0	6
FURRY, P. B.	Loysburg, Pa.	3	0	3
GARDNER, J. A.	Moscow, Pa.	3	0	3
GAY-MURRAY CO., INC.	Tunkhannock, Pa.	8	1	9

TABLE III - RETAILERS OF FARM SEEDS, FROM WHOM SAMPLES WERE COLLECTED IN THE ENFORCEMENT OF THE PENNSYLVANIA SEED LAW, 1946

RETAILER	ADDRESS	SAMPLES COLLECTED LEGAL	ILLEGAL	TOTAL
GEE, F. H.	Middlebury Center, Pa.	1	0	1
GENERAL MILLS	Johnstown, Pa.	4	0	4
GENTZLER GRAIN & FEED CO.	New Oxford, Pa.	1	0	1
GIBBS MILLING CO.	Nanticoke, Pa.	1	0	1
GLAZIER, KENNETH S.	McConnellsburg, Pa.	2	0	2
G. L. F. SERVICE	Berwick, Pa.	6	0	6
G. L. F. SERVICE	Bloomsburg, Pa.	2	0	2
G. L. F. SERVICE	Coudersport, Pa.	4	0	4
G. L. F. SERVICE	East Honesdale, Pa.	8	0	8
G. L. F. SERVICE	Knoxville, Pa.	2	0	2
G. L. F. SERVICE	Mansfield, Pa.	1	0	1
G. L. F. SERVICE	North East, Pa.	2	0	2
G. L. F. SERVICE	Ulysses, Pa.	2	0	2
G. L. F. SERVICE	Wellsboro, Pa.	3	0	3
GOODMAN, ROSS E.	Huntingdon, Pa.	2	0	2
GRANTS FEED STORE	Meadville, Pa.	2	0	2
GREENE CO. FARMERS EXCHANGE	Waynesburg, Pa.	1	0	1
GREEN, JAMES A.	Little Gap, Palmerton, Pa., #1	2	0	2
HARNER FEED & COAL CO.	Conneaut Lake, Pa.	1	0	1
HARRISON, NEIL S.	Forks, Pa.	7	0	7
HARRISVILLE MILLING CO.	Harrisville, Pa.	3	1	4
HARTER HDWE. CO.	Wapwallopen, Pa.	3	0	3
HARTZELS, F. D., SONS CO.	Chalfont, Pa.	1	0	1
HEATH, P. W.	Great Bend, Pa.	1	1	2
HERBER, M. A.	Breinigsville, Pa.	3	0	3
HERSHBERGER & SON	Johnstown, Pa.	1	0	1
HERSHBERGER, J. FRANK	Everett, Pa.	0	1	1
HILLIARD BROS.	Sugarloaf, Pa. R.D.	2	0	2
HINES, JAMES A.	Hollidaysburg, Pa.	1	0	1
HIPPLE, CHARLES F.	Bellefonte, Pa.	1	0	1
HOFFMAN, A. H., INC.	Landisville, Pa.	5	0	5
HOGSETT, J. F. & SON	Uniontown, Pa.	3	0	3
HOLBEN'S IMPLEMENT STORE	Punxsutawney, Pa.	2	0	2
HOOVERS HDWE.	Port Matilda, Pa.	1	0	1
HOSTERMAN & STOVER CO.	Millheim, Pa.	1	0	1
HOUCK, E. J. & SON	Bangor, Pa.	9	0	9
HUBERS HDWE. CO.	Patton, Pa.	1	0	1
HUGHES FEED STORE	Butler, Pa.	1	0	1
HUNTINGDON FEED & SUPPLY CO.	Eldred, Pa.	2	0	2
HUSTON, J. R.	Harrisville, Pa.	3	0	3
HUTCHINSON, T. W. & CO.	New Castle, Pa.	3	0	3
JEFFERSON FARM BU[illegible] CO-OP.ASS'N.	Brookville, Pa.	2	0	2
JOHNSON BROS.	Kresgeville, Pa.	3	0	3
JOHNSON, J. W. & SON	Albion, Pa.	3	0	3
JUDSON-WILEY & SONS	404 S. Main St. Washington, Pa.	1	0	1
JUNIATA ROLLER MILLS	Thompsontown, Pa.	4	0	4
KEEBLERS FEED & FARM SUPPLIES	Montoursville, Pa.	3	0	3
KELDER, T. A. & SON	Dushore, Pa.	3	0	3
KELDER, T. A. & SON	New Albany, Pa.	4	0	4
KEPHARTS HDWE. CO.	Philipsburg, Pa.	1	0	1
KEYSTONE FLOUR & FEED CO.	Luzerne, Pa.	2	0	2
KEYSTONE FLOUR & FEED CO.	Punxsutawney, Pa.	1	0	1
KINTNER MILLING CO.	Mehoopany, Pa.	1	0	1

TABLE III - RETAILERS OF FARM SEEDS, FROM WHOM SAMPLES WERE COLLECTED IN THE ENFORCEMENT OF THE PENNSYLVANIA SEED LAW, 1946

RETAILER	ADDRESS	SAMPLES COLLECTED LEGAL	ILLEGAL	TOTAL
KISER HDWE. CO.	Shippensville, Pa.	1	0	1
KLINE FLOUR MILLING CO.	Brookville, Pa.	1	0	1
KNAUF, FRANK A. & L. A.	Harmony, Pa.	2	0	2
KRATZ, H. B. & SON	Schwenksville, Pa.	3	0	3
KROME, A. E.	Gilbert, Pa.	4	0	4
KUNKLE HDWE. CO.	Blairsville, Pa.	1	0	1
KUNKLE, WALTER	Kresgeville, Pa.	2	0	2
KURTZ LUMBER CO.	Punxsutawney, Pa.	4	0	4
LAKE BROS.	S. Montrose, Pa.	5	0	5
LANTZY MILLING CO.	Barnesboro, Pa.	1	0	1
LATROBE FEED & SUPPLY CO.	Latrobe, Pa.	1	0	1
LEAMANS SEED CO.	Waynesboro, Pa.	2	0	2
LEE SUPPLY CO.	Sharpsville, Pa.	0	1	1
LEHIGHTON HDWE. CO.	Lehighton, Pa.	3	0	3
LEISTER, EARL	Thompsontown, Pa.	1	0	1
LEWIS FEED STORE	Indiana, Pa.	1	0	1
LIBERTY TRADING CO.	Madera, Pa.	0	1	1
LINESVILLE CO-OP. G.L.F. SERVICE	Linesville, Pa.	2	0	2
LONG, H. A. & SONS	Liverpool, Pa.	3	0	3
LONGWELL, H. W. & SON	Dixonville, Pa.	1	0	1
LOOS, W. K., ESTABLISHMENT	Schuylkill Haven,Pa.	4	0	4
LOTT, AUDLEY	S. Montrose, Pa.	2	0	2
LOW, H. B. & SON	Orangeville, Pa.	2	0	2
MACKEY LUMBER CO.	Oxford, Pa.	2	0	2
MAHONING VALLEY MILLING CO.	Punxsutawney, Pa.	5	0	5
MALINISH, GEO.	Ligonier, Pa.	1	0	1
MARTIN, J. E.	New Bethlehem, Pa.	2	0	2
MARTIN, R. R.	Saltsburg, Pa.	1	0	1
MASE & SCHANBACKER	Liberty,Pa.	2	0	2
MAUST, A. G.	Sipesville, Pa.	1	0	1
MAWRHOFF, P. N.	Saxonburg, Pa.	1	0	1
MAYS SEED CO.	Weiser Park, Pa.	6	0	6
McCALLS, T. FRANK, SONS	6th & Madison, Chester, Pa.	1	0	1
McCOLLOUGH & SON	Kittanning, Pa.	2	0	2
McCORMICK, E. B. & SON	Cherry Tree, Pa.	1	0	1
McWHERTER, J. H.	Mercer, Pa.	2	0	2
MEAD FARM SUPPLY	North East, Pa.	4	0	4
MEADVILLE CO-OP. ASS'N.	Meadville, Pa.	3	0	3
MENCER'S FARM SUPPLY STORE	Jersey Shore, Pa.	1	0	1
MENGLE, S. E. & SONS	Beckville, Pa.	2	0	2
MENNER & LAMB	New Wilmington, Pa.	1	0	1
MERCER CO. FARM BUREAU CO-OP.	Mercer, Pa.	3	0	3
MICHAELS WHOLESALE	Portage, Pa.	2	0	2
MILLER BROS.	Erie, Pa.	5	0	5
MILLER, C. H., HDWE.	Huntingdon, Pa.	2	0	2
MILLER, E. G., FEED & SEED CO.	Girard, Pa.	2	0	2
MILLER. G. H.	Sidman, Pa.	4	0	4
MILLER HDWE. CO.	Rockwood, Pa.	0	1	1
MILLER, HARLAN	Dushore, Pa.	5	0	5
MINOR, S. K. & SONS	Arden, Pa.	1	0	1
MITCHELL HDWE.	Emlenton, Pa.	2	0	2
MOCK SEED CO.	Pittsburgh, Pa.	2	0	2
MONACA MILLING CO.	Monaca, Pa.	1	0	1
MORRISON, HARRY	Corsica, Pa.	1	0	1
MORROW, W. C.	Tyrone, Pa.	1	0	1

TABLE III - RETAILERS OF FARM SEEDS, FROM WHOM SAMPLES WERE COLLECTED IN THE ENFORCEMENT OF THE PENNSYLVANIA SEED LAW, 1946

RETAILER	ADDRESS	SAMPLES COLLECTED LEGAL	ILLEGAL	TOTAL
MOSCOW MILLING CO.	Moscow, Pa.	4	0	4
MOYER & SON	Souderton, Pa.	1	0	1
MULLANY, H. J. & SON	DuBois, Pa.	2	0	2
MURRAY & CO.	Honesdale, Pa.	4	0	4
MUSICK, F. B. & CO.	Ligonier, Pa.	1	0	1
MYERINK MILLING CO.	Columbus, Pa.	1	0	1
MYERS, E. D.	Lock Haven, Pa.	3	0	3
MYERS HDWE.	Waterford, Pa.	1	0	1
NELSON MILLING CO.	Grampian, Pa.	1	0	1
NESTER, FRED S.	New Ringgold, Pa.	3	0	3
NEW ERA MILLS	Mansfield, Pa.	2	0	2
NEWMAN, HARVEY E.	West Salisbury, Pa.	1	0	1
NICKLE PLATE FLOUR MILLS	Erie, Pa.	3	0	3
NOBLE, W. A.	Freeport, Pa.	2	0	2
NOLAN, JOHN	Malvern, Pa.	2	0	2
NORTH EAST CO-OP. G.L.F. SERVICE	North East, Pa.	3	0	3
OBERT, H. L.	Dushore, Pa.	5	2	7
OESTERLING, P. J. & SON, INC.	Butler, Pa.	4	0	4
OESTERLING, P. J. & SON, INC.	Hooker, Pa. (mail Karns City)	4	0	4
OESTERLING, P. J. & SON, INC.	Slippery Rock, Pa.	2	0	2
OESTERLING, P. J. & SON, INC.	Stoneboro, Pa.	1	0	1
OIL CITY MILLING CO.	Oil City, Pa.	1	0	1
OLYPHANT MILL & GRAIN CO.	Blakely, Pa.	2	0	2
PAIMER FEED CO.	Linesville, Pa.	1	0	1
PAOLI COAL & SUPPLY CO.	West Chester, Pa.	0	1	1
PATTON, B. F., HDWE. CO.	Waynesboro, Pa.	1	0	1
PAUL, C. H.	Saxonburg, Pa.	1	0	1
PERDUE & ORTON	North East, Pa.	3	0	3
PHILADELPHIA SEED CO.	Philadelphia, Pa.	12	1	13
PHILLIPS, C. A.	Meyersdale, Pa.	1	0	1
PHILLIPS, J. M., SONS	Mercersburg, Pa.	3	0	3
PINE RUN FARM SUPPLY	Doylestown, Pa.	1	0	1
PLATT, FRANK, CO.	Spartaneburg, Pa.	2	0	2
PLYMOUTH MILL & GRAIN	Plymouth, Pa.	1	0	1
PRESTON, INC.	Mansfield, Pa.	6	0	6
PRINGLE, D. K.	Greenville, Pa.	1	0	1
RADLE, GEO. W.	Mt. Union, Pa.	1	0	1
REEDSVILLE MILLING CO.	Reedsville, Pa.	2	0	2
REISENWEAVER, K. R.	Drums, Pa.	2	0	2
REISENWEAVER, ROY	Conyngham, Pa.	1	0	1
RHOADS, L. E., MILL	Selinsgrove, Pa.	3	0	3
RIMERSBURG HDWE. CO.	Rimersburg, Pa.	1	0	1
ROBACKER & BURDICK	Newfoundland, Pa.	6	0	6
ROCKWELL, H. & SON	Canton, Pa.	6	0	6
ROHRER, P. L.	Smoketown, Pa.	5	0	5
ROSS BROS.	Kingsley, Pa.	3	1	4
ROSS, EIMER C.	Lemont, Pa.	1	1	2
ROTH MILLING CO.	Prospect, Pa.	4	0	4
ROUX FEED & SEED CO.	Sharon, Pa.	3	0	3
RUMPF. S. E.	New Milford, Pa.	3	0	3
RUSSELL FARM SERVICE	Russell, Pa.	1	0	1
SANDRI & LEZZER LUMBER CO.	Curwensville, Pa.	5	0	5
SAWYER, AMOS, ESTABLISHMENT	Liberty, Pa.	2	0	2
SCHRIMPER BROS.	Erie, Pa.	1	0	1
SCOTLAND ELEVATOR CO.	Scotland, Pa.	2	0	2

TABLE III - RETAILERS OF FARM SEEDS, FROM WHOM SAMPLES WERE COLLECTED IN THE ENFORCEMENT OF THE PENNSYLVANIA SEED LAW, 1946

RETAILER	ADDRESS	SAMPLES COLLECTED LEGAL	ILLEGAL	TOTAL
SEABOARD SEED CO.	Philadelphia, Pa.	9	0	9
SECRIST, I. B.	Millerstown, Pa.	1	1	2
SELINSGROVE HDWE. CO.	Selinsgrove, Pa.	1	0	1
SERFOSS, M. L.	Brodheadsville, Pa.	1	0	1
SHAFFER, DANIEL	Hooversville, Pa.	1	0	1
SHAFFER, PETER & SON	New Brighton, Pa.	5	0	5
SHAPELL, H. R.	Ringtown, Pa.	3	0	3
SHARRER, D. H. & SON	New Oxford, Pa.	3	1	4
SHENKLE HDWE. CO.	Lewistown, Pa.	2	0	2
SHOENBERGER, O. F.	Kunkletown, Pa.	3	0	3
SHOHOLA FEED & GRAIN CO.	Shohola, Pa.	1	0	1
SIBBL & GABEN	St. Petersburg, Pa.	1	0	1
SKINNERS EDDY CO-OP. G. L. F. SERVICE	Skinners Eddy, Pa.	9	1	10
SLAUGHOLXT, T. R.	Sligo, Pa.	1	0	1
SNYDER, B. C. & SON	Mercersburg, Pa.	2	0	2
SNYDERS FARM SUPPLY CO.	Williamsport, Pa.	2	1	3
SOHLEY, W. E.	Harmony, Pa.	2	0	2
SOLINGER, D. L.	Elderton, Pa.	1	0	1
SOMERSET FARM BUREAU CO-OP.ASS'N.	Meyersdale, Pa.	1	0	1
SOMERSET MILLING CO.	Somerset, Pa.	1	0	1
SPARTANSBURG CO-OP. G.L.F.SERVICE	Spartansburg, Pa.	2	0	2
STANFORD SEED CO.	Pittsburgh, Pa.	14	0	14
STARR, S. R.	Valley View, Pa.	1	0	1
STEMLER HDWE. CO.	348 Delaware Ave. Palmerton, Pa.	4	0	4
STERLING FEED STORE	Butler, Pa.	1	0	1
STERNER, D. B.	Orwigsburg, Pa.	1	0	1
STERRETT, THOS.	Fairview, Pa.	1	0	1
STOCKDALE HDWE. CO.	Tarentum, Pa.	4	0	4
STOVER, GEO. H.	Centre Hall, Pa.	1	1	2
STRAUBY'S REL. FLOUR & FEED CO.	Weissport, Pa.	1	0	1
SUNSHINE FEED STORE	Carlisle, Pa.	2	0	2
SUNSHINE FEED STORE	Chambersburg, Pa.	1	0	1
SUNSHINE FEED STORE	Dillsburg, Pa.	1	1	2
SUNSHINE FEED STORE	West Chester, Pa.	1	0	1
SWINGLE BROS.	Lake Ariel, Pa.	4	0	4
SWITZGABLE BROS.	Brodheadsville, Pa.	3	0	3
SWOOPE, L. P. & CO.	Duncansville, Pa.	2	0	2
SYBERT FEED & SUPPLY CO.	Nanty Glo, Pa.	3	0	3
TAILOR, JOHN	Oakville, Pa.	2	0	2
TANNER BROS.	Smethport, Pa.	1	0	1
TEMPLE, HOWARD C.	New Wilmington, Pa.	1	0	1
TETZER BROS.	Brookville, Pa.	1	0	1
THEILMANN SEED CO.	Erie, Pa.	2	0	2
THOMPSON, W. B. & SON	Waynesboro, Pa.	1	0	1
THRIFT FEED MILL	Doylestown, Pa.	2	0	2
TIOGA FEED SERVICE	Dalton, Pa.	3	0	3
TRADERS FLOUR & FEED CO.	E. Stroudsburg, Pa.	3	0	3
TUNKHANNOCK CO-OP. G. L. F. SERVICE, INC.	Tunkhannock, Pa.	12	0	12
TURNER BROS.	Cambridge Springs, Pa.	2	0	2
TURNER HDWE.	Manns Choice, Pa.	1	0	1
TWEEDY, J. J.	Beaver, Pa.	2	0	2

TABLE III - RETAILERS OF FARM SEEDS, FROM WHOM SAMPLES WERE COLLECTED IN THE ENFORCEMENT OF THE PENNSYLVANIA SEED LAW, 1946

RETAILER	ADDRESS	SAMPLES COLLECTED LEGAL	ILLEGAL	TOTAL
ULSH FEED IMPLEMENT & HATCHERY	Selinsgrove, Pa.	2	0	2
UNION CITY CO-OP.	Union City, Pa.	6	0	6
VALLEY MILLING CO.	Harrison Valley, Pa.	2	0	2
VALLEY MILLS	Johnstown, Pa.	2	0	2
VANDERVORT MILLS	Laceyville, Pa.	5	0	5
VANDERVORT MILLS	Wysox, Pa.	3	0	3
VICKERY & HENRY	Columbia Cross Roads, Pa.	2	0	2
VOLANT MILLS	Volant, Pa.	3	0	3
WALDO BROS.	Wysox, Pa.	1	0	1
WALTER, R. D., INC.	New Castle, Pa.	3	0	3
WALTON, G. W., HDWE. CO.	Beaver, Pa.	3	0	3
WASHINGTON FARM BUREAU CO-OP. ASS'N.	Washington, Pa.	3	0	3
WATERFORD CO-OP. G.L.F. SERVICE	Waterford, Pa.	3	0	3
WATSON, A., FEED CO.	Grove City, Pa.	1	0	1
WEBER, MILES	Ashville, Pa.	2	0	2
WELLES MILL CO.	Wyalusing, Pa.	2	0	2
WELLS & SON	Parker Ford, Pa.	3	0	3
WELSH, EARL A.	Sugarloaf, Pa.	3	0	3
WELSH, HAROLD	Sybertsville, Pa.	1	0	1
WENTZEL, H. R. & SON	Newport, Pa.	2	0	2
WESTERMAN, A.	Freeport, Pa.	1	0	1
WESTMORELAND FARM BUREAU CO-OP. ASS'N.	Ligonier, Pa.	1	0	1
WEST SIDE FEED & FUEL CO.	Erie, Pa.	2	0	2
WHITE, A. H.	Monroeton, Pa.	5	0	5
WHITEBREAD BROS.	W. Nanticoke, Pa.	1	0	1
WHITE HILL FEED CO.	Somerset, Pa.	2	0	2
WHITENIGHT, M. P. & SON	Bloomsburg, Pa.	3	0	3
WILDENSTEIN, KARL	Aldenville, Pa.	4	0	4
WILLIAMS, E. W.	Elderton, Pa.	0	1	1
WILLIS, C. S. & SONS	Lemoyne, Pa.	2	0	2
WILSON & BROSSIUS	Toughkenamon, Pa.	1	1	2
WINELAND, GEO. B., JR.	Martinsburg, Pa.	1	0	1
WINEY, H. C.	Middleburg, Pa.	1	0	1
WISE, JOHN	Harmony, Pa.	4	0	4
WOLF, GEO. L.	McConnellsburg, Pa.	2	0	2
WYALUSING HAY CO.	Wyalusing, Pa.	3	0	3
YEARSLEY, M. S. & SON	West Chester, Pa.	1	0	1

TABLE IV - AGRICULTURAL AND VEGETABLE SEED SAMPLES ANALYZED AND TESTED FOR FARMERS AND SEEDSMEN FOR WHICH A FEE OF TWENTY-FIVE CENTS PER SAMPLE WAS RECEIVED

KIND OF SEED	SAMPLES ANALYZED FOR PURITY	SAMPLES TESTED FOR GERMINATION
Alfalfa	3	3
Barley	5	6
Beans	-	3
Beet	-	4
Bentgrass	1	1
Bromegrass	1	1
Buckwheat	2	2
Cabbage	-	2
Carrot	-	5
Celery	-	12
Clover, Alsike	1	1
Clover, Crimson	-	1
Clover, Ladino	-	1
Clover, Red	86	87
Clover, Sweet	2	2
Collards	-	1
Corn	20	37
Cucumber	-	4
Fescue, Red	4	4
Kentucky bluegrass	1	1
Lettuce	-	4
Muskmelon	-	1
Mustard	-	1
Oats	27	31
Orchard grass	3	3
Peas	-	6
Pepper	-	1
Radish	-	4
Rape	1	1
Redtop	2	2
Rye	1	1
Ryegrass	6	6
Soybeans	8	8
Squash	1	1
Sudan grass	1	1
Timothy	62	62
Tomato	-	3
Turnip	-	1
Wheat	3	8

TABLE V - THE FOLLOWING TABLE GIVES THE KIND, VARIETY AND NUMBER OF SAMPLES TESTED FOR THE SEED CERTIFICATION SERVICE OF THE BUREAU OF PLANT INDUSTRY

KIND	VARIETY	NUMBER OF SAMPLES
Barley	Kentucky #1	4
	Tennessee Winter	5
	Wong	43
Corn, Hybrid	Cornell 355	12
	Iowa 939	21
	K-24	10
	Ohio C-12	11
	U. S. 13	16
	W-10	5
Oats	Beaver	4
	Boone	1
	Clinton	2
	Cornellian	3
	Vicland	48
	Wayne	1
Soybeans	Lincoln	8
Tomato	Bonny Best	6
	Early Canner	4
	Greater Baltimore	3
	Grothens	8
	Marglobe	3
	Pan American	4
	Pink Globe	2
	Pritchard	9
	Rutgers	15
Wheat	Fairfield	5
	Leaps Prolific	15
	Nittany	13
	Nured	5
	Purkof	1
	Thorne	115
	Yorkwin	1

TABLE VI - SUMMARY OF AGRICULTURAL SEEDS ANALYZED AND TESTED DURING THE YEARS 1940 TO 1945, INCLUSIVE

This summary excludes mixtures, vegetable seeds, and kinds of seed on which less than 15 tests were made.

Kind of Seed	Number of Samples 1940-1945	Simple Average Of		
		Pure Seed Per Cent	Weed Seeds Per Cent	Germin. Per Cent Incl. Hard Seeds
Alfalfa	P.93; G.104	98.16	0.64	85.89
Barley	P.225; G.212	99.27	0.03	94.41
Clover, Alsike	P.15; G.19	98.37	0.25	86.67
Clover, Red	P.608; G.621	97.55	2.02	92.15
Clover, Sweet	P.22; G.34	97.73	0.31	68.36
Corn	P.282; G.446	99.84	——	90.04
Fescue	P.16; G.15	89.05	0.59	84.29
Millet, Japanese	P.32; G.32	97.49	1.97	81.98
Oats	P.398; G.397	99.35	0.04	92.29
Soybeans	P.118; G.146	97.77	0.06	80.58
Timothy	P.346; G.357	98.88	0.52	88.46
Wheat	P.725; G.732	99.72	0.001	93.23

P.-Samples analyzed for Purity G.-Samples tested for Germination